

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0341	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0341 Sherman Island	U	9.64						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.94	3.66	15.58	161.66%				
Trim / Thin Trees	0.21		0.21	2.18%				
Encroachments					0.03			
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.04	0.38	1.56	16.19%				
DWR UCIP Field Study					0.45	0.01		
<i>LMA Totals:</i>	1.19	4.04	17.35	180.03%	0.48	0.01	0.00	0.00
Unit No. 01 Threemile Slough RB	Overall Unit Rating	Total Unit Miles						
RD0341	U	3.36						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.36	0.10	0.76	22.62%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.16			
<i>Unit Totals:</i>	0.36	0.10	0.76	22.62%	0.16	0.00	0.00	0.00
Unit No. 02 Sacramento River LB	Overall Unit Rating	Total Unit Miles						
RD0341	U	6.28						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.58	3.56	14.82	236.08%				
Trim / Thin Trees	0.21		0.21	3.35%				
Encroachments					0.03			
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.04	0.38	1.56	24.85%				
DWR UCIP Field Study					0.29	0.01		
<i>Unit Totals:</i>	0.83	3.94	16.59	264.28%	0.32	0.01	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Reclamation District No. 0341 Sherman Island

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 0341 Sherman Island

Waterway			Bank	Unit Miles
Unit No. 01 Threemile Slough			Right	3.36
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/10/2016 - 3/10/2016		9/13/2016 - 9/13/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Joel McElroy RD 341		Joel McElroy RD 341	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_RD0341_01_f_2014_13				
Comment Code					
Inspector Comment					
District has the O+M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_RD0341_01_f_2014_14				
Comment Code					
Inspector Comment					
District has emergency supplies stored.					

No Photos

LM Start		Rating **	A	Issue No.	15
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_RD0341_01_f_2014_15				
Comment Code					
Inspector Comment					
District is prepared for a flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	20
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.085555 °	38.085918 °
				-121.686438 °	-121.686690 °
DWR ID	DWR_RD0341_01_f_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the regrowth on the waterside..					

Photo 1 of 1 : FA_2016_RD0341_167_20_20160928_00048.jpg



RD 341 Looking downstream from waterside.

LM Start	0.00	Rating **	M	Issue No.	27
LM End	0.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.085507 °	38.085507 °
				-121.686528 °	-121.686528 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22063 DS_ID:24215 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 30-inch steel drainage pipe through the levee, 11.1 feet below the crown. CM cutoff wall around pipe at center of levee. Siphon breaker on both sides. Pump on landward side approximately 300 feet from landward toe. Pipe exposed on both levee slopes. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.0). Marine Station number 1 located on waterward side with attached small solar panel on top. FS Date: 5/5/2009					

Photo 1 of 2 : UCIP_FA_2016_22063_37640.jpg



Marine station posts in river identified as Station 1 near crossing.

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain


+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

Photo 2 of 2 : UCIP_FA_2016_22063_37644.jpg



View of pipe and siphon breaker located on waterward side--dense vegetation on slope.

Photo 1 of 1 : FA_2016_RD0341_167_21_20160928_00045.jpg



RD 341 looking downstream from levee mile 0.00.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	0.48	Rating **	M	Issue No.	28
LM End	0.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.092464 °	38.092464 °
				-121.686962 °	-121.686962 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22064 DS_ID:24110 EP_NO: 6297 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Markers Missing. No markers found to confirm crossing is still in use--need to contact owner to determine status of crossing. FIELD_STRUCT_DESC: 3-inch electrical conduit through the levee, 3.5 feet below the crown. Location marker on waterward shoulder--no marker found. Pole on landward side. Rock revetment on waterward slope. (Permit No. 6297-1969) FS Date: 5/5/2009					

LM Start	0.48	Rating **	M	Issue No.	28 (cont)
LM End	0.48	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22064_37647.jpg



Underground Service Alert (USA) markings on road surface indicating line is still present.

Photo 2 of 2 : UCIP_FA_2016_22064_37646.jpg



Underground Service Alert (USA) markings on road shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	0.50	Rating **	M	Issue No.	29
LM End	0.50	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.092754 °	38.092754 °
				-121.686878 °	-121.686878 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22068
DS_ID:24111
EP_NO: 1477
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slopes. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, 1.8 feet below the crown. Pipe is encased in 12-inch CM conductor pipe under crown. Pump on landward side. Air vent and metal distribution box with gate on the landward side. Rock revetment on the waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 0.50). 30-feet of pipe under crown was replaced and encased in CM pipe under Permit No. 1477 (1950). FS Date: 5/5/2009

LM Start	0.50	Rating **	M	Issue No.	29 (cont)
LM End	0.50	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22068_37654.jpg



Cut along pipe alignment--unknown repair or maintenance date.

Photo 2 of 2 : UCIP_FA_2016_22068_37658.jpg



Enter photo 9 description or comment here.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	1.01	Rating **	M	Issue No.	22
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.100152 °	38.102690 °
				-121.687062 °	-121.686565 °
DWR ID	DWR_RD0341_01_f_2016_22				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This section need the grasses removed.					

No Photos

LM Start	1.07	Rating **	M	Issue No.	30
LM End	1.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.100972 °	38.100972 °
				-121.686813 °	-121.686813 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22070 DS_ID:24113 EP_NO: 11095 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 18-inch pipe sleeved through 24-inch pipe through the levee, 4.0 feet below the crown. Air vent and monitoring well on landward side. Pipe exposed on the waterward slope. This pipe was retained under ABO No. 11095 (1975). FS Date: 5/5/2009					

Photo 1 of 2 : UCIP_FA_2016_22070_37664.jpg



View of pipe located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	1.07	Rating **	M	Issue No.	30 (cont)	
LM End	1.07	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.100972 °	38.100972 °	
				-121.686813 °	-121.686813 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22070						
DS_ID:24113						
EP_NO: 11095						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.						
FIELD_STRUCT_DESC: 18-inch pipe sleeved through 24-inch pipe through the levee, 4.0 feet below the crown. Air vent and monitoring well on landward side. Pipe exposed on the waterward slope. This pipe was retained under ABO No. 11095 (1975).						
FS Date: 5/5/2009						

Photo 2 of 2 : UCIP_FA_2016_22070_37663.jpg



View of landward side--visible standup pipe on slope.

LM Start	1.44	Rating **	M	Issue No.	31
LM End	1.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.106183 °	38.106183 °
				-121.685541 °	-121.685541 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22074 DS_ID:24115 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. NEED photo of emergency contact information from marker. FIELD_STRUCT_DESC: 10-inch steel gas line through the levee. Valve in concrete box on the landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.42). FS Date: 5/5/2009					

Photo 1 of 2 : UCIP_FA_2016_22074_37675.jpg



Concrete box located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	1.44	Rating **	M	Issue No.	31 (cont)	
LM End	1.44	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.106183 °		38.106183 °
				-121.685541 °		-121.685541 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22074 DS_ID:24115 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. NEED photo of emergency contact information from marker. FIELD_STRUCT_DESC: 10-inch steel gas line through the levee. Valve in concrete box on the landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.42). FS Date: 5/5/2009						

Photo 2 of 2 : UCIP_FA_2016_22074_37672.jpg



Inside view of vault located on the landward side.

LM Start	1.45	Rating **	M	Issue No.	32
LM End	1.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.106323 °	38.106323 °
				-121.685493 °	-121.685493 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22076 DS_ID:24217 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unknown detail of the size of crossing. Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. NEED photo of emergency contact information from marker. FIELD_STRUCT_DESC: Gas line through the levee. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.44). FS Date: 5/5/2009					

Photo 1 of 2 : UCIP_FA_2016_22076_37680.jpg



Concrete box located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	1.45	Rating **	M	Issue No.	32 (cont)
LM End	1.45	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.106323 °	38.106323 °
				-121.685493 °	-121.685493 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22076 DS_ID:24217 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unknown detail of the size of crossing. Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. NEED photo of emergency contact information from marker. FIELD_STRUCT_DESC: Gas line through the levee. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 1.44). FS Date: 5/5/2009					

Photo 2 of 2 : UCIP_FA_2016_22076_37677.jpg



Inside view of vault located on the landward side.

LM Start	1.65	Rating **	M	Issue No.	23
LM End	1.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109223 °	38.109873 °
				-121.684625 °	-121.684500 °
DWR ID	DWR_RD0341_01_f_2016_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Remove the growth on the waterward slope.					

No Photos

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	1.96	Rating **	M	Issue No.	35
LM End	1.96	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.113641 °	38.113641 °
				-121.684112 °	-121.684112 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22086 DS_ID:24116 EP_NO: 11103 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to determine if crossing is the same as permitted under permit no. 11103. Need to contact owner and determine status of crossing under permit no. 11103. Believe steel conduit is exposed on landward side. FIELD_STRUCT_DESC: 1.5-inch iron water pipe and 3.5-inch electrical steel conduit through the levee, both 3.0 feet below the crown. Pressure system and service pole on landward slope. Fishing resort on waterward side. This pipe was retained under ABO No. 11103 (1975). FS Date: 5/5/2009					

Photo 1 of 2 : UCIP_FA_2016_22086_37706.jpg



View of waterward side.

LM Start	1.96	Rating **	M	Issue No.	35 (cont)
LM End	1.96	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_22086_37704.jpg



Power connection on waterward side no other appurtenances found.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
----------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.00	Rating **	M	Issue No.	40
LM End	2.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114092 °	38.114092 °
				-121.684524 °	-121.684524 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22091 DS_ID:24117 EP_NO: 5427 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find pipe or sump pump. Indicators found on landward side include potential septic tank and observation well. Need to contact owner of crossing to determine status of crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch diameter pipe sleeved through 6-inch pipe through the levee, 3.7 feet below the crown. Sump pump on waterward slope. Septic tank and observation well on the landward side. (Permit No. 5427-1966) FS Date: 5/5/2009					

LM Start	2.00	Rating **	M	Issue No.	40 (cont)
LM End	2.00	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22091_37712.jpg



View of potential observation well on landward side.

Photo 2 of 2 : UCIP_FA_2016_22091_37711.jpg



Stand pipe (potential observation well) and concrete pad located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.00	Rating **	M	Issue No.	41
LM End	2.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114092 °	38.114092 °
				-121.684524 °	-121.684524 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22093					
DS_ID:24237					
EP_NO: 5427					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Signs of electrical connection boxes. Unable to determine if these boxes are associated to crossing. Need to contact owner to determine status of crossing.					
FIELD_STRUCT_DESC: 2 of 2: Five 1 to 1.5-inch pipes through the levee, 3.7 feet below the crown. Pump on waterward slope. Septic tank and observation well on the landward side. (Permit No. 5427-1966)					
FS Date: 5/5/2009					

Photo 1 of 2 : UCIP_FA_2016_22093_37717.jpg



Electrical conduit and box located on left corner of picture.

LM Start	2.00	Rating **	M	Issue No.	41 (cont)
LM End	2.00	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_22093_37716.jpg



Electrical connection visible next to concrete pad--right corner.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.05	Rating **	M	Issue No.	37
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114043 °	38.114043 °
				-121.685421 °	-121.685421 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22094
DS_ID:24119
EP_NO: 960
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to contact owner to determine last inspection and status of crossing.
FIELD_STRUCT_DESC: 1 of 2: 10-inch gas line through the levee, 2.0 feet below the crown. Cutoff wall around pipes at center of levee. Valve pit on landward shoulder, with 2-inch drain pipe along landward slope. Contact information for PG&E 800-811-4111. Location marker on waterward slope. (Permit No. 960-1944) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.04). Pipe video inspected by PG&E under Permit No. 15319 (1990).
FS Date: 5/5/2009

LM Start	2.05	Rating **	M	Issue No.	37 (cont)
LM End	2.05	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22094_37719.jpg



Pipeline marker located on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_22094_37718.jpg



Landward markers visible near levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.05	Rating **	M	Issue No.	38
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.114043 °	38.114043 °
				-121.685421 °	-121.685421 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22098					
DS_ID:24242					
EP_NO: 960					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine last inspection and status of crossing.					
FIELD_STRUCT_DESC: 2 of 2: 10-inch gas line through the levee, 2.0 feet below the crown. Cutoff wall around pipes at center of levee. Valve pit on landward shoulder, with 2-inch drain pipe along landward slope. Location marker on waterward slope. (Permit No. 960-1944) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.04). Pipe video inspected by PG&E under Permit No. 15319 (1990).					
FS Date: 5/5/2009					

LM Start	2.05	Rating **	M	Issue No.	38 (cont)
LM End	2.05	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22098_37724.jpg



Warning marker visible on waterward shoulder.

Photo 2 of 2 : UCIP_FA_2016_22098_37723.jpg



Markers also visible on landward side near levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.11	Rating **	M	Issue No.	42
LM End	2.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.113753 °	38.113753 °
				-121.686298 °	-121.686298 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:39860
DS_ID:24756
EP_NO: 17251
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.
FIELD_STRUCT_DESC: 24-inch steel natural gas pipeline through the levee 125-feet below the crown (Permit No. 17251, 2002).
FS Date: 3/4/2014

LM Start	2.11	Rating **	M	Issue No.	42 (cont)
LM End	2.11	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_39860_71847.jpg



View of sign located on waterward side.

Photo 2 of 2 : UCIP_FA_2016_39860_71846.jpg



Markers visible on landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.35	Rating **	M	Issue No.	39
LM End	2.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.111444 °	38.111444 °
				-121.689785 °	-121.689785 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22106
DS_ID:24120
EP_NO: 11102
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 10-inch pipe sleeved through 12-inch pipe through the levee, 4.6 feet below the crown. Annular gap grouted. Siphon breaker at landward shoulder. Pump on landward side. Irrigation canal with distribution box at landward toe. Rock revetment on waterward slope. This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.33). This pipe was retained under ABO No. 11102 (1975).
FS Date: 5/5/2009

LM Start	2.35	Rating **	M	Issue No.	39 (cont)
LM End	2.35	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22106_37734.jpg



View of pipe on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22106_37733.jpg



Riser and gate visible on waterward side--dense vegetation limits inspection.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.95	Rating **	M	Issue No.	33
LM End	2.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.104206 °	38.104206 °
				-121.695367 °	-121.695367 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22112
DS_ID:24121
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe side does not match found 10 inch instead of 8 inch. Pipe (1 of 2) was supposed to be removed and replaced with 12-inch steel irrigation pipes under Permit No. 5629 (1966). Historical Levee Logs from 1992 do not reflect that the replacement was completed, verify diameter of pipes and status with applicant. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 10-inch (not 8-inch as originally noted in records) steel irrigation pipe through the levee, 1.4 feet below the crown. Siphon breaker on landward side. Irrigation ditch with distribution box at landward toe. Pipe exposed on both slopes. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93).
FS Date: 5/5/2009

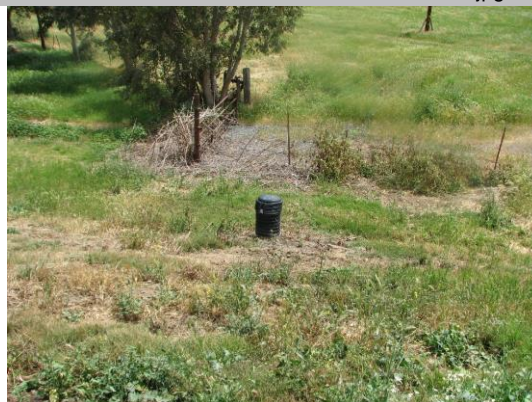
LM Start	2.95	Rating **	M	Issue No.	33 (cont)
LM End	2.95	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22112_37750.jpg



View of pipe and rip rap located on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22112_37748.jpg



Stand pipe located near levee toe on landward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	2.95	Rating **	M	Issue No.	34
LM End	2.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.104206 °	38.104206 °
				-121.695367 °	-121.695367 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22116
DS_ID:24238
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Pipe side does not match--found 10 inch instead of 8 inch. Pipe (2 of 2) was supposed to be removed and replaced with 12-inch steel irrigation pipes under Permit No. 5629 (1966). Historical Levee Logs from 1992 do not reflect that the replacement was completed, verify diameter of pipes and status with applicant. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2 of 2: 10-inch (not 8-inch as originally mentioned in desk study) steel irrigation pipe through the levee, 1.6 feet below the crown. Siphon breaker on landward side. Irrigation ditch with distribution box at landward toe. Pipe exposed on both slopes. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 2.93). FS Date: 5/5/2009

LM Start	2.95	Rating **	M	Issue No.	34 (cont)
LM End	2.95	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22116_37758.jpg



View of pipe and rip rap located on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22116_37755.jpg



Small stand pipe located on waterward side--unknown purpose of stand pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	3.00	Rating **	U	Issue No.	24
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104035 °	38.104092 °
				-121.696222 °	-121.698138 °
DWR ID	DWR_RD0341_01_f_2016_24				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
These small willow trees can be sprayed.					

Photo 1 of 1 : FA_2016_RD0341_167_24_20160928_00049.jpg



RD 341 looking downstream from levee mile 3.00-3.10 waterside slope.

LM Start	3.15	Rating **	M	Issue No.	25
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.104225 °	38.104823 °
				-121.698950 °	-121.700447 °
DWR ID	DWR_RD0341_01_f_2016_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the young willow from the waterside slope..					

No Photos

LM Start	3.33	Rating **	M	Issue No.	26
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105147 °	38.105188 °
				-121.701963 °	-121.702155 °
DWR ID	DWR_RD0341_01_f_2016_26				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The wild growth of willow trees on the landside can be sprayed.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Right	3.36	09/13/2016 09/13/2016	Herman Phillips

LM Start	3.33	Rating **	M	Issue No.	36
LM End	3.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.105183 °	38.105183 °
				-121.702026 °	-121.702026 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22183
DS_ID:24245
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: New crossing found in field--need to find owner and determine permit authorizing work.
FIELD_STRUCT_DESC: 10-inch corrugated metal pipe extruding from the waterward slope.
FS Date: 5/5/2009

LM Start	3.33	Rating **	M	Issue No.	36 (cont)
LM End	3.33	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22183_37780.jpg



View of waterward side.

Photo 2 of 2 : UCIP_FA_2016_22183_37783.jpg



Pipe on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Reclamation District No. 0341 Sherman Island

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	6.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/11/2016 - 3/11/2016		9/13/2016 - 9/13/2016	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	3.36	Rating **	A	Issue No.	36
LM End	3.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105270 °	38.098012 °
				-121.702528 °	-121.706290 °
DWR ID	DWR_RD0341_02_f_2016_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
No unwanted vegetation from levee miles 3.36-3.95 landside.					

Photo 1 of 1 : FA_2016_RD0341_168_36_20160928_00074.jpg



RD 341 Looking downstream from levee miles 3.36-3.95.

LM Start	3.36	Rating **	A	Issue No.	35
LM End	3.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.105270 °	38.097763 °
				-121.702528 °	-121.706290 °
DWR ID	DWR_RD0341_02_f_2016_35				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Waterside slope levee mile 3.36-3.97 no unwanted vegetation.					

Photo 1 of 1 : FA_2016_RD0341_168_35_20160928_00073.jpg



RD 341 Looking downstream from the waterside slope levee miles 3.36-3.97.

LM Start	3.45	Rating **	M	Issue No.	37
LM End	3.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.104785 °	38.104785 °
				-121.704013 °	-121.704013 °
DWR ID	DWR_RD0341_02_f_2016_37				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the dead fallen tree from the landside slope.					

Photo 1 of 1 : FA_2016_RD0341_168_37_20160928_00075.jpg



RD 341 landside levee mile 3.45.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown


** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

Photo 1 of 1 : FA_2016_RD0341_168_38_20160928_00076.jpg




RD 341 Waterside slope looking downstream levee mile 3.52.

Photo 1 of 1 : FA_2016_RD0341_168_39_20160928_00077.jpg



RD 341 Looking downstream from levee mile 3.52 landside slope.

Photo 1 of 1 : FA_2016_RD0341_168_51_20160928_00081.jpg



RD 341 Looking at the landside slope levee 3.95-5.03 from upstream.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	3.97	Rating **	U	Issue No.	45
LM End	6.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.097763 °	38.080573 °
				-121.706288 °	-121.731113 °
DWR ID	DWR_RD0341_02_f_2015_45				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The unwanted vegetation on the waterside slope need to be removed.					

Photo 1 of 1 : FA_2016_RD0341_168_45_20160928_00082.jpg



RD 341 Unit 2 looking downstream from the waterside levee slope levee mile 3.97-6.19.

LM Start	4.04	Rating **	M	Issue No.	58	
LM End	4.04	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.096783 °	38.096783 °	
				-121.706173 °	-121.706173 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22203 DS_ID:24135 EP_NO: 11110 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of crossing--need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch pipe sleeved through 12-inch pipe through the levee, 3.8 feet below the crown. Pump on concrete well on landward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.03). 10-inch pipe was retained under ABO No. 11110 (1975). FS Date: 5/6/2009						

Photo 1 of 2 : UCIP_FA_2016_22203_37833.jpg



Limited access to waterward side--pipe visible through brush.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	4.04	Rating **	M	Issue No.	58 (cont)	
LM End	4.04	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.096783 °	38.096783 °	
				-121.706173 °	-121.706173 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22203 DS_ID:24135 EP_NO: 11110 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine status of crossing--need to contact owner. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 10-inch pipe sleeved through 12-inch pipe through the levee, 3.8 feet below the crown. Pump on concrete well on landward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.03). 10-inch pipe was retained under ABO No. 11110 (1975). FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22203_37832.jpg



View of landward shoulder and low spots on highway.

LM Start	4.15	Rating **	M	Issue No.	7
LM End	4.19	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.095148 °	38.094590 °
				-121.706367 °	-121.706393 °
DWR ID	DWR_RD0341_02_s_2016_7				
Comment Code					
Inspector Comment					
2011 - Large new erosion pocket probably hidden by vegetation in the past. 2015: No observed changes. [2015 Site ID: SAC_8-2_L]					

Photo 1 of 1 : FA_2016_RD0341_168_7_20160913_00004.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	4.31	Rating **	M	Issue No.	59
LM End	4.31	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.092900 °	38.092900 °
				-121.706070 °	-121.706070 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22223 DS_ID:24122 EP_NO: 11106 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump on pile structure in stream. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 4.29). 12-inch pipe was retained under ABO No. 11106 (1975). FS Date: 5/6/2009					

Photo 1 of 1 : UCIP_FA_2016_22223_37840.jpg



View of waterward side--pipe and pump visible.

LM Start	4.47	Rating **	U	Issue No.	3
LM End	4.62	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.090620 °	38.088572 °
				-121.706684 °	-121.707127 °
DWR ID	DWR_RD0341_02_s_2016_3				
Comment Code					
Inspector Comment					
1999 - New small slump in eroded bank. 2005 - Reach extended because of vertical bank along the roadway upstream. 2011 - More slumping since last year. 2012 - Site upgraded to critical. Very steep slope which may be effecting the highway on top of the levee. 2015: New erosion towards downstream end of site. [2015 Site ID: SAC_8-0_L]					

Photo 1 of 1 : FA_2016_RD0341_168_3_20160913_00002.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	4.76	Rating **	U	Issue No.	4
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.086603 °	38.085459 °
				-121.707786 °	-121.708607 °
DWR ID	DWR_RD0341_02_s_2016_4				
Comment Code					
Inspector Comment					
2011 - Large slump section. 2012 - Site extended downstream, upgraded to critical, severe windwave. Slope is very steep and may be effecting the highway on top of the levee. 2015: No observed changes. [2015 Site ID: SAC_7-9_L]					

Photo 1 of 1 : FA_2016_RD0341_168_4_20160913_00003.jpg



USACE 2013 Photo #1

LM Start	4.79	Rating **	M	Issue No.	67
LM End	4.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.086119 °	38.086119 °
				-121.707912 °	-121.707912 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22186					
DS_ID:24123					
EP_NO: 4855					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 2-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Valve and pump on landward side. Rock revetment on waterward slope. (Permit No. 4855-1965)					
FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22186_37787.jpg



View of crossing on waterward side--dense vegetation on slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	4.79	Rating **	M	Issue No.	67 (cont)	
LM End	4.79	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.086119 °		38.086119 °
				-121.707912 °		-121.707912 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22186 DS_ID:24123 EP_NO: 4855 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 2-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Valve and pump on landward side. Rock revetment on waterward slope. (Permit No. 4855-1965) FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22186_37786.jpg



View of waterward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	4.96	Rating **	U	Issue No.	80
LM End	4.96	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.084182 °	38.084182 °
				-121.709650 °	-121.709650 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50009
DS_ID:24124
EP_NO: 1806
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 7/6/2016 Meet with Joel McElroy, District Representative, at site. Difficult to access pipe from WS due to high traffic on levee crown and large debris scattered on WS toe. According to Joel McElroy, crossing is still present. Unable to access crossing from WS toe. Access should be made via boat. Assume crossing has gotten worse from last site visit. Need to find owner and coordinate with CVFPB to remove pipe. Mr. McElroy mentioned that Caltrans will be working on the Pavement Rehabilitation Project on State Route 160 and this crossing might be addressed by them. Project Manager for Pavement Rehabilitation Project is Kidianga Tshiunza, Caltrans District 3, 530-741-4178. (DWR UCIP - omagana)5/6/2009 Crossing has failed. Large holes present on waterward side. Need to contact owner. Crossing needs to be addressed. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch pipe sleeved through 14-inch pipe through the levee, 6.8 feet below the crown. Hand primer pump in pumphouse on landside (LS) slope. Pipe exposed on both slopes (only visible on WS-2009). (Permit No. 1806, 1959 - C. E. Upham, Jr.).
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit No. 101, February 1962, HLM 5.02].
FS Date: 7/6/2016

Photo 1 of 2 : UCIP_FA_2016_50009_37842.jpg



View of crossing on waterward side. Dense vegetation limits inspection of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	4.96	Rating **	U	Issue No.	80 (cont)
LM End	4.96	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.084182 °	38.084182 °
				-121.709650 °	-121.709650 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50009
DS_ID:24124
EP_NO: 1806
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 7/6/2016 Meet with Joel McElroy, District Representative, at site. Difficult to access pipe from WS due to high traffic on levee crown and large debris scattered on WS toe. According to Joel McElroy, crossing is still present. Unable to access crossing from WS toe. Access should be made via boat. Assume crossing has gotten worse from last site visit. Need to find owner and coordinate with CVFPB to remove pipe. Mr. McElroy mentioned that Caltrans will be working on the Pavement Rehabilitation Project on State Route 160 and this crossing might be addressed by them. Project Manager for Pavement Rehabilitation Project is Kidianga Tshiunza, Caltrans District 3, 530-741-4178. (DWR UCIP - omagana)5/6/2009 Crossing has failed. Large holes present on waterward side. Need to contact owner. Crossing needs to be addressed. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: 12-inch pipe sleeved through 14-inch pipe through the levee, 6.8 feet below the crown. Hand primer pump in pumphouse on landside (LS) slope. Pipe exposed on both slopes (only visible on WS-2009). (Permit No. 1806, 1959 - C. E. Upham, Jr.).
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit No. 101, February 1962, HLM 5.02].
FS Date: 7/6/2016

Photo 2 of 2 : UCIP_FA_2016_50009_37841.jpg



Holes present on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.02	Rating **	M	Issue No.	79
LM End	5.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083633 °	38.083633 °
				-121.710532 °	-121.710532 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39868 DS_ID:24125 EP_NO: 2301 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to verify status of crossing. Permit authorized 24 inch pipe. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 3: 20-inch steel irrigation pipe through the levee, 8.1 feet below the crown. Cutoff wall under the waterward slope. Siphon breaker on waterward slope. Gate valves on waterward side of pipe. Standpipe at landward toe. (Permit No. 2301-1959) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.02). Pipe cutoff at shoulders and abandoned (grout filled) through levee under Permit No. 15175 (1993). FS Date: 5/6/2009					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.02	Rating **	M	Issue No.	77
LM End	5.02	Issue Type +	En	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.083633 °	38.083633 °	
			-121.710532 °	-121.710532 °	
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39866 DS_ID:24235 EP_NO: 2301 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to verify status of crossing. Permit authorized 24 inch pipe. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 20-inch steel irrigation pipe through the levee, 8.1 feet below the crown. Cutoff wall under the waterward slope. Siphon breaker on waterward slope. Gate valves on waterward side of pipe. Standpipe at landward toe. (Permit No. 2301-1959) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.02). Pipe cutoff at shoulders and abandoned (grout filled) through levee under Permit No. 15175 (1993). New pipe installed. FS Date: 5/6/2009					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.02	Rating **	M	Issue No.	78
LM End	5.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083633 °	38.083633 °
				-121.710532 °	-121.710532 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39867					
DS_ID:24236					
EP_NO: 2301					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to verify status of crossing. Permit authorized 24 inch pipe. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 3 of 3: 20-inch steel irrigation pipe through the levee, 8.1 feet below the crown. Cutoff wall under the waterward slope.					
Siphon breaker on waterward slope. Gate valves on waterward side of pipe. Standpipe at landward toe. (Permit No. 2301-1959).					
FS Date: 5/6/2009					

No Photos

LM Start	5.03	Rating **	M	Issue No.	50
LM End	5.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.083532 °	38.081268 °
				-121.710668 °	-121.718675 °
DWR ID	DWR_RD0341_02_f_2016_50				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the wild unwanted growth from the levee slope levee mile 5.03-5.49.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.05	Rating **	M	Issue No.	64
LM End	5.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083143 °	38.083143 °
				-121.710914 °	-121.710914 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22253 DS_ID:24195 EP_NO: 15175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 4: 24-inch steel irrigaiton pipe in 30-inch steel casings through the levee, 6.6 feet below the crown. Annular gap grouted. Siphon breakers at waterward shoulder, with concrete risers on both ends. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 15175-1993). Structure in stream installed under Permit No. 16737 (2000). FS Date: 5/6/2009					

LM Start	5.05	Rating **	M	Issue No.	64 (cont)
LM End	5.05	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22253_37885.jpg



Pipes, walkway, fence, and support piles located on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22253_37882.jpg



View of waterward side - 3-20 inch pipes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.05	Rating **	M	Issue No.	65
LM End	5.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083137 °	38.083137 °
				-121.710916 °	-121.710916 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22254
DS_ID:24239
EP_NO: 15175
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 2 of 4: 24-inch steel irrigation pipe in 30-inch steel casings through the levee, 6.6 feet below the crown. Annular gap grouted. Siphon breakers at waterward shoulder, with concrete risers on both ends. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 15175-1993). Structure in stream installed under Permit No. 16737 (2000).
FS Date: 5/6/2009

LM Start	5.05	Rating **	M	Issue No.	65 (cont)
LM End	5.05	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22254_37896.jpg



Pipes, walkway, fence, and support piles located on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22254_37898.jpg



View of waterward side - 3-20 inch pipes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.06	Rating **	M	Issue No.	66
LM End	5.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083133 °	38.083133 °
				-121.710922 °	-121.710922 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22255 DS_ID:24240 EP_NO: 15175 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 3 of 4: 24-inch steel irrigaiton pipe in 30-inch steel casings through the levee, 6.6 feet below the crown. Annular gap grouted. Siphon breakers at waterward shoulder, with concrete risers on both ends. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 15175-1993). Structure in stream installed under Permit No. 16737 (2000). FS Date: 5/6/2009					

LM Start	5.06	Rating **	M	Issue No.	66 (cont)
LM End	5.06	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22255_37911.jpg



Pipes, walkway, fence, and support piles located on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22255_37909.jpg



View of waterward side - 3-20 inch pipes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.06	Rating **	M	Issue No.	75
LM End	5.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083177 °	38.083177 °
				-121.711001 °	-121.711001 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41538 DS_ID:24241 EP_NO: 15175 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to find electrical conduit however, the pump structure is present. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 4 of 4: 4-inch electric conduit through the levee, 2.0 feet below the crown. Screened inlet manifold (36-inch) with backwash system on pile structure in stream. Surrounded by fence with entry gate. Irrigation pond at landward toe. (Permit No. 16737-2000) FS Date: 5/6/2009					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.39	Rating **	M	Issue No.	68
LM End	5.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.081790 °	38.081790 °
				-121.716868 °	-121.716868 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22256
DS_ID:24127
EP_NO: 11116
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 16-inch pipe sleeved through 18-inch pipe through the levee, 2.5 feet below the crown. Annular gap grouted. Air vent on waterward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.40). This pipe was retained under ABO No. 11116 (1975). Annular gap grouted and pipe lengthened under Permit No. 15372 (1993).
FS Date: 5/6/2009

LM Start	5.39	Rating **	M	Issue No.	68 (cont)
LM End	5.39	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22256_37915.jpg



Overview of levee crown at crossing.

Photo 2 of 2 : UCIP_FA_2016_22256_37914.jpg



View of pipe through brush on waterward side.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.55	Rating **	M	Issue No.	11
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.081270 °	38.080807 °
				-121.719702 °	-121.723488 °
DWR ID	DWR_RD0341_02_f_2014_11				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim up the trees on the waterside slope so the ground can be seen.					

No Photos

LM Start	5.87	Rating **	M	Issue No.	52
LM End	5.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080381 °	38.080381 °
				-121.725534 °	-121.725534 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22258 DS_ID:24074 EP_NO: 11116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe sleeved through 10-inch pipe through levee, 2.5 feet below the crown. Annular gap grouted. Concrete distribution box with slide gate at landward toe. Air vent on waterward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.81). This pipe was retained under ABO No. 11116 (1975). Distributon box installed and pipe along landward slope removed and replaced with longer 10-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22258_37932.jpg



8-inch pipe and 14-inch pipe on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

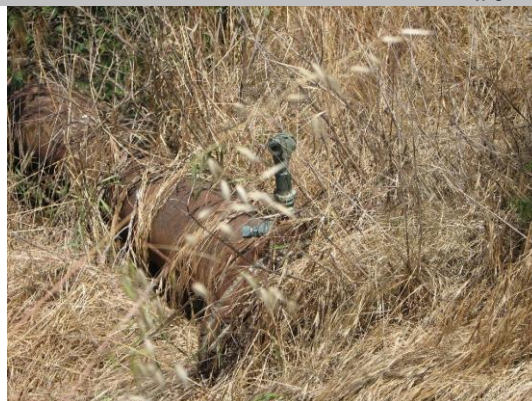
Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.87	Rating **	M	Issue No.	52 (cont)
LM End	5.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080381 °	38.080381 °
				-121.725534 °	-121.725534 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22258 DS_ID:24074 EP_NO: 11116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 1 of 2: 8-inch pipe sleeved through 10-inch pipe through levee, 2.5 feet below the crown. Annular gap grouted. Concrete distribution box with slide gate at landward toe. Air vent on waterward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.81). This pipe was retained under ABO No. 11116 (1975). Distributon box installed and pipe along landward slope removed and replaced with longer 10-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009					

Photo 2 of 2 : UCIP_FA_2016_22258_37930.jpg



Air vent located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	5.87	Rating **	M	Issue No.	53
LM End	5.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080381 °	38.080381 °
				-121.725534 °	-121.725534 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22259
DS_ID:24075
EP_NO: 1806
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation pipe through the levee, 3.0 feet below the crown. Concrete distribution box with gate valve at landward toe. Air vent on waterward side. (Permit No. 1806-1959) This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 5.81). Distributon box installed and pipe along landward slope removed and replaced with longer 16-inch steel pipe under Permit No. 15372 (1993).
FS Date: 5/6/2009

LM Start	5.87	Rating **	M	Issue No.	53 (cont)
LM End	5.87	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22259_37935.jpg



View of pipes on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22259_37936.jpg



Air vent located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	6.03	Rating **	U	Issue No.	49
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.080143 °	38.080125 °
				-121.728332 °	-121.729662 °
DWR ID	DWR_RD0341_02_f_2016_49				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the bamboo from the landside levee slope.					

Photo 1 of 1 : FA_2016_RD0341_168_49_20160928_00078.jpg



RD 341 Landside slope from levee mile 6.03-6.10.

LM Start	6.03	Rating **	U	Issue No.	1
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.080370 °	38.080526 °
				-121.728341 °	-121.730483 °
DWR ID	DWR_RD0341_02_s_2016_1				
Comment Code					
Inspector Comment					
2011 - Large slump at downstream end. Gully formed from surface runoff from the road. Shallow slumping throughout site. 2012 - The gully at upstream end has increased in size and site continues to worsen. 2015: No observed changes. [2015 Site ID: SAC_7-3_L]					

Photo 1 of 1 : FA_2016_RD0341_168_1_20160913_00001.jpg



USACE 2013 Photo #1

LM Start	6.16	Rating **	M	Issue No.	43
LM End	6.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.080472 °	38.080588 °
				-121.730575 °	-121.731112 °
DWR ID	DWR_RD0341_02_f_2016_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the weed growth.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	6.16	Rating **	M	Issue No.	42
LM End	6.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.080472 °	38.080680 °
				-121.730575 °	-121.731437 °
DWR ID	DWR_RD0341_02_f_2016_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control the weed growth landside slope.					

No Photos

LM Start	6.20	Rating **	M	Issue No.	76
LM End	6.20	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080591 °	38.080591 °
				-121.731249 °	-121.731249 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:39861 DS_ID:24076 EP_NO: 11116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used will need to meet Title 23 requirements. Hole present in pipe section. Debris on waterward side--10-inch pipe section abandoned on slope. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe sleeved through 14-inch pipe through levee, 4.0 feet below crown. Annular gap grouted. Slide gate in distribution box on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.12). This pipe was retained under ABO No. 11116 (1975). Distributon box installed and pipe along landward slope removed and replaced with longer 16-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_39861_71853.jpg



View of structure located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	6.20	Rating **	M	Issue No.	76 (cont)	
LM End	6.20	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.080591 °	38.080591 °	
				-121.731249 °	-121.731249 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:39861 DS_ID:24076 EP_NO: 11116 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer used will need to meet Title 23 requirements. Hole present in pipe section. Debris on waterward side--10-inch pipe section abandoned on slope. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 12-inch pipe sleeved through 14-inch pipe through levee, 4.0 feet below crown. Annular gap grouted. Slide gate in distribution box on landward side. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.12). This pipe was retained under ABO No. 11116 (1975). Distributon box installed and pipe along landward slope removed and replaced with longer 16-inch steel pipe under Permit No. 15372 (1993). FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_39861_71852.jpg



Marker visible on waterward side associated with crossing.

LM Start	6.29	Rating **	U	Issue No.	47
LM End	6.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.081075 °	38.081142 °
				-121.732813 °	-121.733465 °
DWR ID	DWR_RD0341_02_f_2015_47				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Remove the unwanted fig trees from the levee section.					

Photo 1 of 1 : FA_2016_RD0341_168_47_20160928_00079.jpg



RD 341 Landside levee slope levee mile 6.29-6.32.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	6.53	Rating **	M	Issue No.	54
LM End	6.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.082718 °	38.082718 °
				-121.736635 °	-121.736635 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22261
DS_ID:24078
EP_NO: 11116
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.
FIELD_STRUCT_DESC: 12-inch pipe through the levee, 2.0 feet below the crown. Siphon breaker on landward slope. Rock revetment on waterward slope. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 6.31). This pipe was retained under ABO No. 11116 (1975).
FS Date: 5/6/2009

LM Start	6.53	Rating **	M	Issue No.	54 (cont)
LM End	6.53	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_22261_37949.jpg



Side view of pipe on waterward side.

Photo 2 of 2 : UCIP_FA_2016_22261_37947.jpg



View of pipe and rip rap on waterward side.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	6.62	Rating **	M	Issue No.	46
LM End	6.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.083522 °	38.083778 °
				-121.738018 °	-121.738563 °
DWR ID	DWR_RD0341_02_f_2016_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	6.63	Rating **	M	Issue No.	55
LM End	6.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.083549 °	38.083549 °
				-121.738161 °	-121.738161 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22262					
DS_ID:24079					
EP_NO: 11107					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in used owner will need to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 4-inch pipe through the levee, 4.0 feet below the crown. This pipe was retained under ABO No. 11107 (1975).					
FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22262_37953.jpg



View of landward side no evidence of crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	6.63	Rating **	M	Issue No.	55 (cont)	
LM End	6.63	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.083549 °		38.083549 °
				-121.738161 °		-121.738161 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22262						
DS_ID:24079						
EP_NO: 11107						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in used owner will need to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.						
FIELD_STRUCT_DESC: 4-inch pipe through the levee, 4.0 feet below the crown. This pipe was retained under ABO No. 11107 (1975).						
FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22262_37952.jpg



View of waterward side air vent pipe could be associated with crossing.

LM Start	7.11	Rating **	M	Issue No.	56	
LM End	7.11	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.080277 °		38.080277 °
				-121.745407 °		-121.745407 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22263 DS_ID:24081 EP_NO: 892 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 1 of 2: 12.75-inch steel gas line through the levee, 2.0 feet below the crown. Concrete cutoff wall around pipes at center of levee. Location marker on waterward slope. Concrete control box and valve pit on landward slope. (Permit No. 892-1942) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. FS Date: 5/6/2009						

Photo 1 of 2 : UCIP_FA_2016_22263_37962.jpg



View of landward side. Concrete box and markers indicating gas pipeline. Additional marker located at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	7.11	Rating **	M	Issue No.	56 (cont)	
LM End	7.11	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.080277 °		38.080277 °
				-121.745407 °		-121.745407 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22263						
DS_ID:24081						
EP_NO: 892						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.						
FIELD_STRUCT_DESC: 1 of 2: 12.75-inch steel gas line through the levee, 2.0 feet below the crown. Concrete cutoff wall around pipes at center of levee. Location marker on waterward slope. Concrete control box and valve pit on landward slope. (Permit No. 892-1942) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111.						
FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22263_37961.jpg



Unable to confirm number of pipes.

LM Start	7.11	Rating **	M	Issue No.	57	
LM End	7.11	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.080277 °		38.080277 °
				-121.745407 °		-121.745407 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22264						
DS_ID:24234						
EP_NO: 892						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.						
FIELD_STRUCT_DESC: 2 of 2: 12.75-inch steel gas line through the levee, 2.0 feet below the crown. Concrete cutoff wall around pipes at center of levee. Location marker on waterward slope. Concrete control box and valve pit on landward slope. (Permit No. 892-1942) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111.						
FS Date: 5/6/2009						

Photo 1 of 2 : UCIP_FA_2016_22264_37965.jpg



Concrete box and marker located on near landward shoulder. Additional marker located at the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	7.11	Rating **	M	Issue No.	57 (cont)
LM End	7.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080277 °	38.080277 °
				-121.745407 °	-121.745407 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22264					
DS_ID:24234					
EP_NO: 892					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 2 of 2: 12.75-inch steel gas line through the levee, 2.0 feet below the crown. Concrete cutoff wall around pipes at center of levee. Location marker on waterward slope. Concrete control box and valve pit on landward slope. (Permit No. 892-1942) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111.					
FS Date: 5/6/2009					

Photo 2 of 2 : UCIP_FA_2016_22264_37964.jpg



Unable to confirm the number of pipe through section of levee.

LM Start	7.11	Rating **	M	Issue No.	60
LM End	7.11	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.080277 °	38.080277 °
				-121.745407 °	-121.745407 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22267 DS_ID:24193 EP_NO: 15777 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple crossings in general area need to clarify which pipes are in this levee section. FIELD_STRUCT_DESC: 42-inch steel gas pipeline throught the levee, approximately 30.0 feet below the crown. (Permit No. 15777-1993) Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22267_37978.jpg



Marker located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	7.11	Rating **	M	Issue No.	60 (cont)	
LM End	7.11	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.080277 °		38.080277 °
				-121.745407 °		-121.745407 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22267						
DS_ID:24193						
EP_NO: 15777						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple crossings in general area need to clarify which pipes are in this levee section.						
FIELD_STRUCT_DESC: 42-inch steel gas pipeline throught the levee, approximately 30.0 feet below the crown. (Permit No. 15777-1993)						
Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111.						
FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22267_37977.jpg



Marker located on waterward side.

LM Start	7.17	Rating **	M	Issue No.	61
LM End	7.17	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.079803 °	38.079803 °
				-121.746345 °	-121.746345 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22268 DS_ID:24218 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple crossings in general area need to clarify which pipes are in this levee section. FIELD_STRUCT_DESC: Gas line crossing through the levee. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.08). Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-743-5000. FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22268_37980.jpg



Utility marker located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	7.17	Rating **	M	Issue No.	61 (cont)	
LM End	7.17	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.079803 °		38.079803 °
				-121.746345 °		-121.746345 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22268						
DS_ID:24218						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Multiple crossings in general area need to clarify which pipes are in this levee section.						
FIELD_STRUCT_DESC: Gas line crossing through the levee. (USACE-1962). This entry matches the Drainage or Irrigation Structure referenced in O&M manual (HLM 7.08). Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-743-5000.						
FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22268_37979.jpg



Utility marker located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	7.62	Rating **	M	Issue No.	62
LM End	7.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.076229 °	38.076229 °
				-121.753363 °	-121.753363 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22293 DS_ID:24128 EP_NO: 1915 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Also important to note that DWR DOE was out in the field during our pipe inspection they were conducting pipe evaluation for pipe replacement. Need to contact DWR DOE to determine location of pipe replacement. FIELD_STRUCT_DESC: 18-inch (not 12-inch as noted in historical records) steel irrigation pipe through the levee, 3.0 feet below the crown. Concrete pipe riser on landward side. (Permit No. 1352-1948) Siphon breaker on landward side installed under Permit No. 1915 (1954). Pipe removed and replaced by 12-inch steel pipe under Permit No. 10799 (1977). FS Date: 5/6/2009					

LM Start	7.62	Rating **	M	Issue No.	62 (cont)
LM End	7.62	Issue Type +	En	Location *	WS

Overview of waterward side-18-inch pipe located on right side and 12-inch pipe located on left side.

View of crossing located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

Reclamation District No. 0341 Sherman Island

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	8.01	Rating **	M	Issue No.	69
LM End	8.01	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.073340 °	38.073340 °
				-121.759340 °	-121.759340 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22303 DS_ID:24246 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine the status of conduit--has construction been completed? FIELD_STRUCT_DESC: Four 2.5-inch conduits sleeved through 12-inch steel pipe through the levee. Boat launching dock and ramp on the waterward side. FS Date: 5/6/2009					

LM Start	8.01	Rating **	M	Issue No.	69 (cont)
LM End	8.01	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22303_38062.jpg



View of waterward side. Conduit goes through concrete structure connecting walkway.

Photo 2 of 2 : UCIP_FA_2016_22303_38061.jpg



Conduits exposed on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

Photo 1 of 1 : UCIP_FA_22305_38064.jpg

Dock installed at levee mile 7.91.

A circular metal survey marker is shown lying on a light-colored, textured ground surface. The marker has a raised rim and a central circular area. Text is embossed on the marker: 'SURVEY MONUMENT' is written along the inner edge of the rim, 'DO NOT DISTURB' is written along the outer edge of the rim, and 'CAL 201' is written vertically on the right side of the rim. A small hole is visible on the left side of the marker. A thin, green, spiky plant stem is visible on the right side of the marker.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	8.43	Rating **	M	Issue No.	71 (cont)	
LM End	8.43	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.070678 °		38.070678 °
				-121.766206 °		-121.766206 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:22306						
DS_ID:24130						
EP_NO: 3494						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.						
FIELD_STRUCT_DESC: 1 of 2: 26-inch concrete encased steel gas line through the levee, 5.1 feet below the crown. Concrete cutoff wall around pipe at center of levee. Location sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3494-1961) Contact number listed on marker out in the field 1-800-811-4111.						
FS Date: 5/6/2009						

Photo 2 of 2 : UCIP_FA_2016_22306_38066.jpg



Gas line markers visible on landward side.

LM Start	8.43	Rating **	M	Issue No.	72
LM End	8.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.070678 °	38.070678 °
				-121.766206 °	-121.766206 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22307					
DS_ID:24233					
EP_NO: 3494					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition.					
FIELD_STRUCT_DESC: 2 of 2: 26-inch concrete encased steel gas line through the levee, 5.1 feet below the crown. Concrete cutoff wall around pipe at center of levee. Location sign on waterward shoulder. Rock revetment on waterward slope. (Permit No. 3494-1961) Contact number provided on marker out in the field 1-800-811-4111.					
FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22307_38070.jpg



Surve marker located at site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

Photo 2 of 2 : UCIP_FA_2016_22307_38069.jpg



Gas line markers located on landward side.

Photo 1 of 1 : FA_2016_RD0341_168_48_20160928_00083.jpg



RD 341 Waterside slope looking downstream from levee mile 8.49-8.65.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	8.52	Rating **	M	Issue No.	73
LM End	8.52	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.069690 °	38.069690 °
				-121.767313 °	-121.767313 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:22309
DS_ID:24247
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: New record found in the field. Unable to find any information for crossing during DWR desk study. Will need to find the owner and obtain records for crossing. Need to coordinate with CVFPB.
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee, at a shallow depth below the crown. Air vent on the waterside (WS).
Distribution box with slide gate and observation well on the landside (LS). Pumping station on the LS. Remaining piles present on waterside that show evidence of existing pump station could have been used for irrigation purposes. Rip rap located on waterward side.
FS Date: 5/6/2009

LM Start	8.52	Rating **	M	Issue No.	73 (cont)
LM End	8.52	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_FA_2016_22309_38075.jpg



Concrete stand pipe and gate valve located on landward side.

Photo 2 of 2 : UCIP_FA_2016_22309_38076.jpg



Overview of crossing on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	8.65	Rating **	A	Issue No.	41
LM End	9.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.068387 °	38.062134 °
				-121.768980 °	-121.782116 °
DWR ID	DWR_RD0341_02_f_2016_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
This area is a Construction Zone 8.65-9.49 WATERSIDE. Little Baja Manzo Ranch Fish Release Site.					

No Photos

LM Start	8.65	Rating **	A	Issue No.	40
LM End	9.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.068387 °	38.062134 °
				-121.768980 °	-121.782116 °
DWR ID	DWR_RD0341_02_f_2016_40				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
This area is under construction both landside and waterside.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	8.69	Rating **	M	Issue No.	81
LM End	8.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.068000 °	38.068000 °
				-121.769000 °	-121.769000 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50082					
DS_ID:25470					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 7/6/2016 Pipe found in 2009 has been removed and new pipe installed. Unable to determine permit authorizing work. Need to coordinate with owner to obtain details regarding permit and pipe install. (DWR UCIP - omagana)					
FIELD_STRUCT_DESC: UNK size pipe through the levee. (unknown permit authorizing work; previous 12-inch pipe removed between 2009-2016, pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11108, 1975 - D. Faria)					
FS Date: 7/6/2016					

LM Start	8.69	Rating **	M	Issue No.	81 (cont)
LM End	8.69	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP_FA_2016_50082_75941.jpg



View of WS.

Photo 2 of 2 : UCIP_FA_2016_50082_75942.jpg



New pipe(non-functional) metal plate installed on the WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0341 Sherman Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	6.28	09/13/2016 09/13/2016	Herman Phillips

LM Start	9.12	Rating **	M	Issue No.	74
LM End	9.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.064563 °	38.064563 °
				-121.776153 °	-121.776153 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:22324					
DS_ID:24133					
EP_NO: 11114					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 14-inch pipe through the levee, 4.0 feet below the crown. Concrete standpipe with slide gate on landward side. Rock revetment on waterward slope. This pipe was retained under ABO No. 11114 (1975).					
FS Date: 5/6/2009					

Photo 1 of 2 : UCIP_FA_2016_22324_38096.jpg



Overview of waterward side.

LM Start	9.12	Rating **	M	Issue No.	74 (cont)
LM End	9.12	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP_FA_2016_22324_38095.jpg



Potential subsidence in slope however difficult to determine due to dense vegetation.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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